

In the Claims

Claims 1-42 (cancelled).

Claim 43 (previously presented): A capacitor construction, comprising:

a first capacitor electrode;

a perovskite-type dielectric material over the first capacitor electrode, the perovskite-type dielectric material comprising a first layer proximate the first electrode and a second layer against the first layer and further from the first electrode than the first layer, said second layer having a different degree of amorphous content relative to crystalline content than the first layer; the perovskite-type dielectric material comprising barium, strontium, titanium and oxygen throughout both the first and second layers; and

a second capacitor electrode over the perovskite-type dielectric material.

Claim 44 (previously presented): The capacitor construction of claim 43 wherein the first layer comprises a thickness of from about 10Å to about 50Å; and the second layer comprises a thickness of from about 50Å to about 500Å.

Claim 45 (currently amended): ~~The capacitor construction of claim 43~~ A capacitor construction, comprising:

a first capacitor electrode;

a perovskite-type dielectric material over the first capacitor electrode, the perovskite-type dielectric material comprising a first layer physically contacting the first electrode and a second layer against the first layer and further from the first electrode than the first layer, said second layer having a different degree of amorphous content relative to crystalline content than the first layer, wherein the first layer has less crystalline content than the second layer; the perovskite-type dielectric material comprising barium, strontium, titanium and oxygen throughout both the first and second layers; and

a second capacitor electrode over the perovskite-type dielectric material.

Claim 46 (previously presented): The capacitor construction of claim 43 wherein the first layer is substantially amorphous and the second layer is substantially crystalline.

Claim 47 (previously presented): The capacitor construction of claim 43 wherein the perovskite-type dielectric material comprises a third layer proximate the second capacitor electrode, wherein the second layer is between the first and third layers, and wherein the third layer has a degree of amorphous content relative to crystalline content that is about the same as the first layer.

Claim 48 (cancelled).

Claim 49 (previously presented): The capacitor construction of claim 47 wherein the first layer comprises a thickness of from about 10Å to about 50Å; the second layer comprises a thickness of from about 50Å to about 500Å; and the third layer comprises a thickness of from about 10Å to about 50Å.

Claim 50 (previously presented): The capacitor construction of claim 43 wherein the perovskite-type dielectric material has a different chemical composition in the second layer than in the first layer.

Claim 51 (previously presented): The capacitor construction of claim 43 wherein the perovskite-type dielectric material has the same chemical composition in the first and second layers.

Claim 52 (cancelled).

Claim 53 (previously presented): The capacitor construction of claim 43 wherein the perovskite-type dielectric material consists essentially of barium, strontium, titanium and oxygen throughout first and second layers.

Claim 54 (previously presented): The capacitor construction of claim 43 wherein the perovskite-type dielectric material consists of barium, strontium, titanium and oxygen throughout the first and second layers.

Claims 55-57 (cancelled).

Claim 58 (original): The capacitor construction of claim 43 wherein the first capacitor electrode comprises a metal.

Claim 59 (original): The capacitor construction of claim 43 wherein the first capacitor electrode comprises platinum.

Claim 60 (original): The capacitor construction of claim 43 wherein the first and second capacitor electrodes comprise platinum.

Claim 61 (previously presented): A capacitor construction, comprising:

- a first capacitor electrode;

- a perovskite-type dielectric material over the first capacitor electrode, the perovskite-type dielectric material comprising a first layer proximate the first electrode and a second layer against the first layer and further from the first electrode than the first layer, said second layer having a different degree of amorphous content relative to crystalline content than the first layer; the perovskite-type dielectric material having the same chemical composition in the first and second layers; and

- a second capacitor electrode over the perovskite-type dielectric material.

Claim 62 (previously presented): A capacitor construction, comprising:

a first capacitor electrode;

a perovskite-type dielectric material over the first capacitor electrode, the perovskite-type dielectric material comprising a first layer proximate the first electrode and a second layer against the first layer and further from the first electrode than the first layer, said second layer having a different degree of amorphous content relative to crystalline content than the first layer; the perovskite-type dielectric material comprising barium strontium titanate throughout both the first and second layers; and

a second capacitor electrode over the perovskite-type dielectric material.

Claim 63 (previously presented): A capacitor construction, comprising:

a first capacitor electrode;

a perovskite-type dielectric material over the first capacitor electrode, the perovskite-type dielectric material comprising a first layer proximate the first electrode and a second layer against the first layer and further from the first electrode than the first layer, said second layer having a different degree of amorphous content relative to crystalline content than the first layer; the perovskite-type dielectric material comprising barium titanate throughout both the first and second layers; and

a second capacitor electrode over the perovskite-type dielectric material.

Claim 64 (previously presented): A capacitor construction, comprising:

a first capacitor electrode;

a perovskite-type dielectric material over the first capacitor electrode, the perovskite-type dielectric material comprising a first layer proximate the first electrode and a second layer against the first layer and further from the first electrode than the first layer, said second layer having a different degree of amorphous content relative to crystalline content than the first layer; the perovskite-type dielectric material comprising lead zirconium titanate throughout both the first and second layers; and

a second capacitor electrode over the perovskite-type dielectric material.

Claim 65 (previously presented): The capacitor construction of claim 64 wherein the perovskite-type dielectric material comprises lanthanum doped lead zirconium titanate throughout both the first and second layers.